

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



1: Identification of the mixture and of the company

- 1.1. Product identifier Trade name:** PrintaStick
- 1.2. Relevant identified uses of the mixture:** Water dispersion of synthetic polymers.
- 1.3. Details of the supplier**
AprintaPro GmbH
Römergasse 1a 2353 Guntramsdorf
Austria
- 1.4. Emergency telephone number** +43 660 4991870

2: Hazards identification

2.1. Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP)

- The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
- Adverse physicochemical, human health and environmental effects: No other hazards

2.2. Label elements

- Hazard pictograms: None
- Hazard Statements: None
- Precautionary Statements: None

Special Provisions:

- Contains 1,2-benzisothiazol-3(2H)-one Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1): May produce an allergic reaction.
- The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
- Special provisions according to Annex XVII of REACH and subsequent amendments: None

2.3. Other hazards

- vPvB Substances: None - PBT Substances: None
- Other Hazards: No other hazards

3: information on ingredients

3.1. Substances N.A.

3.2. Mixtures

- Hazardous components within the meaning of the CLP regulation and related classification:

>= 0.01% - < 0.016% 2-methyl-2H-isothiazol-3-one
CAS: 2682-20-4, EC: 220-239-6
3.1/3/Oral Acute Tox. 3 H301
3.1/2/Inhal Acute Tox. 2 H330
3.2/1B Skin Corr. 1B H314
3.3/1 Eye Dam. 1 H318
4.1/A1 Aquatic Acute 1 H400 M=1.
4.1/C2 Aquatic Chronic 2 H411

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



3.4.2/1A Skin Sens. 1A H317

>= 0.01% - < 0.016% 1,2-benzisothiazol-3(2H)-one

Index number: 613-088-00-6, CAS: 2634-33-5, EC: 220-120-9

3.1/2/Inhal Acute Tox. 2 H330

3.2/2 Skin Irrit. 2 H315

3.3/1 Eye Dam. 1 H318

4.1/C2 Aquatic Chronic 2 H411

3.4.2/1 Skin Sens. 1 H317

4.1/A1 Aquatic Acute 1 H400

3.1/4/Oral Acute Tox. 4 H302

>= 0.00015% - < 0.0015% reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Index number: 613-167-00-5, CAS: 55965-84-9, EC: 611-341-5

3.2/1B Skin Corr. 1B H314

3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317

4.1/A1 Aquatic Acute 1 H400

4.1/C1 Aquatic Chronic 1 H410

3.1/3/Oral Acute Tox. 3 H301

3.1/3/Dermal Acute Tox. 3 H311

3.1/3/Inhal Acute Tox. 3 H331

4: First aid measures

4.1. Description of first aid measures

- In case of skin contact: Wash with plenty of water and soap. In case of eyes contact:
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wash immediately with water for at least 10 minutes.
- In case of Ingestion: Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY. A suspension of activated charcoal in water, or petroleum jelly may be administered. Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet.
- In case of Inhalation: Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

- No specific hazards are encountered under normal product use.

4.3. Indication of any immediate medical attention and special treatment needed

- Treatment: (see paragraph 4.1)

5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media: Water. CO2 or Dry chemical fire extinguisher.
- Extinguishing media which must not be used for safety reasons: None in particular.

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



5.2. Special hazards arising from the substance or mixture

- The product does not present a fire hazard Do not inhale explosion and combustion gases. The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes.

5.3. Advice for firefighters

- Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.

6.2. Environmental precautions

- Limit leakages with earth or sand. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

- After the product has been recovered, rinse the area and materials involved with water. Suitable material for taking up: absorbing material, organic, sand Wash with plenty of water. Retain contaminated washingwater and dispose it.

6.4. Reference to other sections

- See also section 8 and 13

7: Handling and storage

7.1. Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists. Do not eat or drink while working. See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

- Keep away from food, drink and feed.
- Incompatible materials: None in particular.
- Instructions as regards storage premises: Adequately ventilated premises. Store above 5°C.

7.3. Specific end use(s)

- None in particular

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



8: Exposure controls/personal protection

8.1. Control parameters

- No occupational exposure limit available
- DNEL Exposure Limit Values N.A.
- PNEC Exposure Limit Values N.A.

8.2. Exposure controls

- Eye protection: Not needed for normal use. Anyway, operate according good working practices.
- Protection for skin: No special precaution must be adopted for normal use. Not needed for normal use.
- Respiratory protection: Not needed for normal use.

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

- Thermal Hazards: None
- Environmental exposure controls: None
- Appropriate engineering controls: None

9: Physical and chemical properties

9.1. Information on basic physical and Appearance:

chemical properties liquid

- Appearance liquid
- Colour white
- Odour typical
- Odour threshold: N-A
- pH: 5
- Melting point / freezing point: N.A
- Initial boiling point and boiling range: 100°C
- Solid/gas flammability: N.A.
- Upper/lower flammability or explosive limits: N.A.
- Vapour density: N.A.
- Flash point: N.A.
- Evaporation rate: N.A.
- Vapour pressure: N.A.
- Relative density: ca 1.1 g/cm³
- Vapour density (air=1): N.A.
- Solubility in water: dispersible
- Solubility in oil: Insoluble

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



- Viscosity: N.A.
- Auto-ignition temperature: N.A.
- Explosion limits (by volume): N.A.
- Decomposition temperature: N.A.
- Partition coefficient (n-octanol/water): N.A.
- Explosive properties: N.A.
- Oxidizing properties: N.A.

9.2. Other information

- Miscibility: N.A.
- Fat Solubility: N.A.
- Conductivity: N.A.
- Substance Groups relevant properties N.A.

10: Stability and reactivity

- 10.1. Reactivity: Stable under normal conditions
- 10.2. Chemical stability: Stable under normal conditions
- 10.3. Possibility of hazardous reactions: None
- 10.4. Conditions to avoid: Stable under normal conditions.
- 10.5. Incompatible materials: None in particular.
- 10.6. Hazardous decomposition products: None.

11: Toxicological information

11.1. Information on toxicological effects

- Route(s) of entry:
 - Ingestion: Yes
 - Inhalation: No
 - Contact: No
- There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.
- Toxicological information on main components of the mixture:
- Toxicological information of the product: N.A.
- Toxicological information of the main substances found in the product:
 - reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS: 55965-84-9
- acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat = 457 mg/kg
 - Test: LC50 - Route: Inhalation - Species: Rat = 2.36 mg/l - Duration: 4h

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



- Test: LD50 - Route: Skin - Species: Rabbit = 660 mg/kg
- Corrosive/Irritating Properties: Eye: The product can cause a temporary irritation by contact.
- Cancerogenic Effects: No effects are known.
- Mutagenic Effects: No effects are known.
- Teratogenic Effects: No effects are known.
- If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:
 - a) acute toxicity
 - b) skin corrosion/irritation
 - c) serious eye damage/irritation
 - d) respiratory or skin sensitisation
 - e) germ cell mutagenicity
 - f) carcinogenicity
 - g) reproductive toxicity
 - h) STOT-single exposure
 - i) STOT-repeated exposure
 - j) aspiration hazard

12: Ecological information

12.1. Toxicity

Adopt good industrial practices, so that the product is not released into the environment.

- Not available data on the mixture

Biodegradability: no data available on the preparation.

1,2-benzisothiazol-3(2H)-one - CAS: 2634-33-5

- Aquatic acute toxicity:
 - Endpoint: EC50 - Species: Daphnia = 3.27 mg/l - Duration h: 48
 - Endpoint: EC50 - Species: Algae = 0.11 mg/l - Duration h: 72
 - Endpoint: LC50 - Species: Fish = 1.6 mg/l - Duration h: 96
- Aquatic chronic toxicity:
 - Endpoint: NOEC - Species: Fish = 0.21 mg/l
 - Endpoint: NOEC - Species: Daphnia = 1.2 mg/l - Notes: 21 g

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS: 55965-84-9

- Aquatic acute toxicity:
 - Endpoint: EC50 - Species: Daphnia = 0.12 mg/l - Duration h: 48
 - Endpoint: LC50 - Species: Fish = 0.22 mg/l - Duration h: 96
 - Endpoint: EC50 - Species: Algae = 0.048 mg/l - Duration h: 72

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



- Aquatic chronic toxicity:
 - Endpoint: NOEC - Species: Algae = 0.0012 mg/l - Duration h: 72
 - Endpoint: NOEC - Species: Fish = 0.098 mg/l - Notes: 28 d
 - Endpoint: NOEC - Species: Daphnia = 0.004 mg/l - Notes: 21 d

12.2. Persistence and degradability N.A.

12.3. Bioaccumulative potential N.A.

12.4. Mobility in soil N.A.

12.5. Results of PBT and vPvB assessment

- vPvB Substances: None
- PBT Substances: None

12.6. Other adverse effects None/Not available data on the mixture

13: Disposal considerations

13.1. Waste treatment methods

- Recover if possible. In so doing, comply with the local and national regulations currently in force. 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments. Disposal of hardened product (EC waste code) : 08 04 10 Disposal of not hardened product (EC waste code) : 08 04 14 The suggested European waste code is just based on the composition of the product. According to the specific process or application field a different waste code may be necessary.

14: Transport information

14.1. UN number

- Not classified as dangerous in the meaning of transport regulations.
- UN Number: ==

14.2. UN proper shipping name N.A.

14.3. Transport hazard class(es)

- Rail/Road(RID/ADR): no dangerous good
- ADR-Upper number: N.A.
- Air (ICAO/IATA): no dangerous good
- Sea (IMO/IMDG): N.A. no dangerous good

14.4. Packing group N.A.

14.5. Environmental hazards

- Marine pollutant: No

14.6. Special precautions for user N.A.

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

- No

15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Dir. 98/24/EC (Risks related to chemical agents at work)
- Dir. 2000/39/EC (Occupational exposure limit values)
- Regulation (EC) n. 1907/2006 (REACH)
- Regulation (EC) n. 1272/2008 (CLP)
- Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) 2015/830
- Regulation (EU) n. 286/2011 (ATP 2 CLP)
- Regulation (EU) n. 618/2012 (ATP 3 CLP)
- Regulation (EU) n. 487/2013 (ATP 4 CLP)
- Regulation (EU) n. 944/2013 (ATP 5 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

- Restrictions related to the product: No restriction.
- Restrictions related to the substances contained: No restriction.

Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I - Protection against chemical agents" Directive 2000/39/CE and s.m.i. (Professional threshold limit) Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions. (Environmental regulations) Directive 105/2003/CE (Seveso III): N.A. ADR Agreement – IMDG Code – IATA Regulation VOC (2004/42/EC) : N.A. g/l Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 None

15.2. Chemical safety assessment: No

16: Other information

Text of phrases referred to under heading 3:

- H301 Toxic if swallowed.
- H330 Fatal if inhaled.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H317 May cause an allergic skin reaction.
- H315 Causes skin irritation.
- H302 Harmful if swallowed.
- H410 Very toxic to aquatic life with long lasting effects.

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



- H311 Toxic in contact with skin.
- H331 Toxic if inhaled.

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

- NIOSH - Registry of toxic effects of chemical substances
- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- DNEL: Derived No Effect Level.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- GefStoffVO: Ordinance on Hazardous Substances, Germany.
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
- ICAO: International Civil Aviation Organization.
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
- IMDG: International Maritime Code for Dangerous Goods.
- INCI: International Nomenclature of Cosmetic Ingredients.
- KSt: Explosion coefficient.
- LC50: Lethal concentration, for 50 percent of test population.
- LD50: Lethal dose, for 50 percent of test population.
- LTE: Long-term exposure.
- PNEC: Predicted No Effect Concentration.
- RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
- STE: Short-term exposure.
- STEL: Short Term Exposure limit.
- STOT: Specific Target Organ Toxicity.

MSDS PrintaStick

According to EU Regulation No. 1907/2006 Issued on: 15 May 2018



APRINTA**PRO**

- TLV: Threshold Limiting Value.
- TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
- OEL: Substance with a Union workplace exposure limit. VLE: Threshold Limiting Value.
- WGK: German Water Hazard Class.
- TSCA: United States Toxic Substances Control Act Inventory DSL: DSL - Canadian Domestic Substances List
- N.A.: Not available